

## **TAG QUARTERLY PROGRESS REPORT**

Date: May 13, 2019  
Report Number: 108  
Report Period: January – March 2019  
Site: **Butte Area/Silver Bow Creek**  
Grant Recipient: Citizens Technical Environmental Committee (CTEC)  
Technical Advisors: Kirk Engineering & Natural Resources, Inc.

### **PROGRESS ACHIEVED**

Attended health study working group meetings. Steve Ackerlund – Technical Advisor and various board members.

Facilitated health study public meeting. March 26, 2019.

Met with Andrew Mutter and Jacqui Barker - New Community Involvement Coordinator. February 6, 2019.

Board members visited with Jacqui Barker, new Community Involvement Coordinator, at CTEC office. February 12, 2019.

Organized the Silver Bow Creek Water Symposium. March 14, 2019.

Continued to work on NIH/INBRE Grant CTEC/Mt Tech: Bridging the Gap: Evaluating Environmental Health Risk Perceptions for Better Community Engagement with Mt Tech. Surveying and Interviewing the public.

Sponsored 2 - \$50 Science Fair Awards.

Submitted Financial Status Report 269A 2018.

Submitted Secretary of State Annual Report 2019.

Sponsored 4 meetings open to the public.

Provided technical assistance to 35 members of the public at CTEC office.

CTEC Board of Directors Meeting (all board meetings are open to the public)

Health Study updates – EPA and Mt Tech INBRE - January 17, 2019.

Health Study updates – EPA and Mt Tech INBRE – February 21, 2019.

CTEC Public Presentations/ Events

Water Quality and Silver Bow Creek Symposium. March 14, 2019.

Public health study meeting. March 26, 2019. Steve Ackerlund, Raja Nagasetti and Bill Macgregor.

KBMF Superfund 101 - Interviews with CTEC board members – Dave Williams, Alysa Cox and Bill Macgregor.

Non-CTEC meetings/tours attended by CTEC staff and/or Board:

Medical monitoring working group –various.

Butte Natural Resource Damage Restoration Council. March 28, 2019.

Restore Our Creek meetings.

University of Mt - MT Tech Remediation/Restoration Seminar Series.

Butte-Silver Bow-Butte Superfund Advisory Redevelopment Trust Committee Meetings (SARTA).

Citizens for Labor and Environmental Justice Meetings (CLEJ).

Documents Reviewed and/or comments provided:

Health Studies. Hailer and Mcdermott.

Other documents were reviewed at varying levels by CTEC board members or advisors when they were received.

**DIFFICULTIES ENCOUNTERED:**

EPA region 8 Administrator Doug Benevento leaving for new post.

Focusing on the most effective ways to spend TAG funds. Butte area is a very large and complex site.

Increasing public involvement.

Updating Technical Advisor roles.

**MATERIALS PRODUCED THIS PERIOD:**

Health study working group meeting summary – March 7, 2019 – Steve Ackerlund (attached)

Butte health interview poster – March 2019 (attached)

Posters – community concerns. Public health study meeting March 26, 2019. Bill Macgregor. (attached)

Announcement for public health monitoring meeting #3. March 26, 2019. (attached)

Contributed to letter to the editor for S McDermott study with the health study working group. March 2019.

Summary of all reports received by the CTEC office from 2010 through March 31, 2019.

Summary of media on Butte Superfund remediation/restoration. 2015-2019.

**ACTIVITIES ANTICIPATED IN NEXT QUARTER:**

- . Provide technical support for the Butte Health Monitoring Study Phase 2.
- . Provide technical support on the NIH/INBRE Grant – Bridging the Gap. Health Perceptions and Superfund.
- . Continue to gain Feedback from the community on Superfund questions concerns.
- . Focus on technical assistance.
- . Focus on outreach strategy.
- . Focus on new outreach material.
- . Focus on partnering with other local entities.
- . Provide support to EPA Community Involvement Coordinator for Butte Superfund sites.
- . Provide support to EPA Remedial Project Managers for Butte Area Superfund sites.

- . Focus on technical support and outreach for phase II of the Butte health study.
- . Work on strategic plan (a working document).
- . Work on Scope of Work plan (a working document).
- . Focusing on spending most funds on CTEC technical advisors.
- . Focus on storm water issues and outreach.
- . Focus on surface water issues and outreach.
- . Focus on ground water issues and outreach.
- . Continue working on identifying priorities.
- . CTEC representative for the Restore Our Creek Coalition.
- . CTEC representative on the waterfowl committee focusing on geese safety at the Butte Mine Flooding Operable Unit - Berkeley Pit.
- . CTEC representative for the Butte Natural Resource Damage Program.
- . CTEC representative for Citizens for Labor and Environmental Justice.
- . CTEC representative for the Pitwatch Program.
- . Provide public outreach for the Residential Soils Program.
- . Provide technical support to neighborhood groups.
- . Provide technical support to the Butte Natural Resource Damage Council.
- . Provide technical support to B-SB Superfund Advisory Board - Redevelopment Trust Fund.
- . Provide technical support to Clark Fork Watershed Education Program.
- . Provide technical support to Butte Citizens for Labor and Environmental Justice.
- . Provide technical support to Pit Watch.
- . Provide technical support to the Science Mine.
- . Provide technical support to Project Green.
- . Provide technical support to the Imagine Butte Resource Center.
- . Provide technical support to the MT Tech Remediation/Restoration Seminar Series.
- . Provide technical support to the MT Tech Biology/Chemistry research Departments.
- . Provide technical support to the Native Plant Program at Mt Tech.
- . Provide technical support to the Butte Radio KBMF 102.5.
- . Provide technical support to the Montana Public Radio.
- . Provide technical support to the Montana Standard newspaper.
- . Provide technical support to the local news stations.

## DOCUMENTS RECEIVED THIS PERIOD at the - CTEC OFFICE

### January - March 2019

#### Unilateral Administrative Order Monthly Report of Activities – **Atlantic Richfield Co**

December	2018 (electronic)
January	2019 (electronic)
February	2019 (electronic)

#### Unilateral Administrative Order Monthly Report of Activities - **Butte-Silver Bow**

December	2018 (electronic)
January	2019 (electronic)
February	2019 (electronic)

#### Unilateral Administrative Order Monthly Report of Activities – **BNSF/UP**

December	2018 (electronic)
January	2019 (electronic)
February	2019 (electronic)

#### Butte Mine Flooding Operable Unit Monthly Reports: **Montana Bureau of Mines and Geology**

December	2019 (hard)
January	2019 hard)
February	2019 (hard)

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Buffalo Gulch and Grove Gulch Soils Characterization Data Summary Report and Draft Buffalo Gulch Groundwater Hydrocarbon Characterization Data Summary Report. Dated January 3, 2019. Josh Bryson – Atlantic Richfield. Electronic copy January 3, 2019. Emily Stoick – TREC.

Greeley neighborhood letter requesting reply to the status of 2012 Request for Additional Air Quality Monitoring and Sampling Stations; Butte-Silver Bow. Greeley Neighborhood. Electronic copy. January 3, 2019. Greeley Neighborhood.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Final Northside Tailings/East Buffalo Gulch Area (NST) and Diggings East Stormwater Basin Area (DE) Fill Characterization and Geotechnical Investigation Sampling and Analysis Plan (SAP) Addendum 1. Report dated February 2019. Josh Bryson – Atlantic Richfield. Electronic copy February 7, 2019. Ruthmeri Gleason – Pioneer.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft 2018 Stormwater BMPs Inspection Report and Maintenance Work Plan BNSF Railway Company and Union Pacific Railroad Company Butte Priority Soils Operable Unit KJ 1896019.00. Jeremie Maehr – BNSF. Dated February 7, 2019. Electronic copy. Jeremie Maehr. February 7, 2019.

Review draft letter to the editor regarding Davis B, McDermott S, McCarter M, Ortaglia A. 2018. Population-based mortality data suggests remediation is modestly effective in two Montana Superfund counties. Environ. Geochem Health, published online Aug. 23, 2018. Letter dated February 11, 2019. Electronic copy. Bill Macgregor – CTEC.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Final Quarterly Operations and Maintenance Report Butte Treatment Lagoon System – Fourth Quarter 2018. Dated February 21, 2019. Josh Bryson – Atlantic Richfield. Electronic copy February 21, 2019. Ruthmeri Gleason – Pioneer.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Final Butte Priority Soils Operable Unit (BPSOU) Buffalo Gulch and Grove Gulch Soils Characterization Sampling and Analysis Plan (SAP) Request for Change (RFC) Memorandum. Dated March 1, 2019. Josh Bryson – Arco. Electronic copy March 1, 2019. Seth Garritty – Woodard Curran/TREC.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. 2018 Buffalo Gulch Groundwater Hydrocarbon Sampling Quality Assurance Project Plan (QAPP) Request for Change Memorandum (RFC). Dated March 1, 2019. Josh Bryson – Arco. Electronic copy March 1, 2019. Seth Garritty – Woodard Curran/TREC

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Final Water Monitoring Sampling and Analysis Plan (SAP) 2019 Monitoring Period. Dated March 4, 2019. Josh Bryson – Atlantic Richfield. Electronic copy March 4, 2019. Paddy Stoy – TREC.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. 2018 Field Evaluation of Reclaimed Sites Summary Report 2018. BRES Field Evaluation Summary Report and Technical Recommendations Proposal Prepared by Butte-Silver Bow Superfund Division for submittal to the U.S. Environmental Protection Agency and State of Montana Department of Environmental Quality Draft: 3/7/2019. Electronic copy March 7, 2019. Julia Crane - BSB.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Groundwater Monitoring Quality Assurance Project Plan (QAPP) dated March 13, 2019. Prepared for: Atlantic Richfield Company 317 Anaconda Road Butte, Montana 59701 Prepared by: TREC. Electronic copy March 13, 2019. Tina Donovan – TREC.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Groundwater Monitoring Sampling and Analysis Plan (SAP) 2019 Monitoring Period dated March 13, 2019. Prepared for: Atlantic Richfield Company 317 Anaconda Road Butte, Montana 59701 Prepared by: TREC. Electronic copy March 13, 2019. Tina Donovan – TREC.

Butte Natural Resource Damage Program (BNRC) meeting Agenda – March 28, 2019. Electric copy March 22, 2019. Pat Cunneen – BNRC.

Butte Priority Soils Operable Unit (BPSOU), Silver Bow Creek/Butte Area NPL Site. Draft Final Annual Operations and Maintenance (O&M) Report, Butte Treatment Lagoon (BTL) System - 2018 Atlantic Richfield Company March 2019. Electronic copy. March 29, 2019. Ruthmeri Gleason – Pioneer.

## **MEDIA**

### Montana Public Radio

[ [HYPERLINK](#) "

Richest Hill Episode 00: Series Preview | MTPR

<https://www.mtpr.org/post/richest-hill-episode-00-series-preview>

" ]Feb 12, 2019 - The "Richest Hill on Earth" literally electrified the nation and made the brass in bullets that won World Wars I and II. But in the 1980s, the last of ...

[[HYPERLINK "F:\Quarterly Report\Quarterly Report Jan-March 2019\Richest Hill Episode 01: Butte's Precarious Arrangement | MTPRhttps://www.mtpr.org/post/richest-hill-episode-01-buttes-precarious-arrangement"](#)]Mar 5, 2019 - Richest Hill episode 01: Get to know Butte, Montana, one of America's biggest Superfund sites and one of Montana's most compelling places.

[ [HYPERLINK](#) "

Richest Hill Episode 02: For The Benefit Of Mankind | MTPR

<https://www.mtpr.org/post/richest-hill-episode-02-benefit-mankind>

" ] [[HYPERLINK "https://www.mtpr.org/post/richest-hill-episode-02-benefit-mankind"](https://www.mtpr.org/post/richest-hill-episode-02-benefit-mankind) ]

Mar 12, 2019 - Uploaded by Montana Public Radio

Take a closer look at the copper that put the Richest Hill on the map; the city's storied past; and the nostalgia ...

[ [HYPERLINK](#) "

'Richest Hill': Dig Into The Past, Present And Future Of Butte America ...

<https://www.mtpr.org/post/richest-hill-dig-past-present-and-future-butte-america>

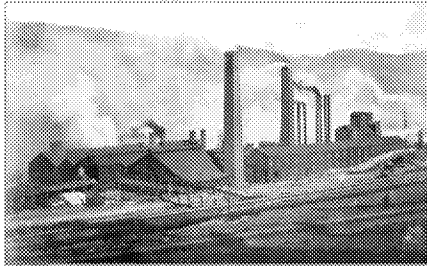
" ]Feb 27, 2019 - 'Richest Hill' is a single-season podcast all about the past, present and future of Butte, Montana. Subscribe now, episode one comes out March ...

[ HYPERLINK "

Nora Saks – Richest Hill. <https://buttepodcast.org/author/nora-saks>

" ]We're hard at work on episode 4, and still covering lots of Superfund news in Butte right now. In the meantime, meet one of the artists who's contributed to this ...

Montana Standard



[ HYPERLINK "[https://mtstandard.com/news/local/mining-city-history-the-mighty-but-short-lived-mop-smelter/article\\_73f885b5-4958-5d97-8fb2-8c9c6e17d677.html](https://mtstandard.com/news/local/mining-city-history-the-mighty-but-short-lived-mop-smelter/article_73f885b5-4958-5d97-8fb2-8c9c6e17d677.html)" ].

Jan 7, 2019

In 1893, Butte's mining operations were anything but consolidated. William Clark and Marcus Daly were certainly major players, but the Boston ...

[ HYPERLINK "[https://mtstandard.com/news/local/montana-tech-is-pumping-water-out-of-orphan-boy-and/article\\_af9ef5b1-1559-51ff-bd0c-ca39adff971c.html](https://mtstandard.com/news/local/montana-tech-is-pumping-water-out-of-orphan-boy-and/article_af9ef5b1-1559-51ff-bd0c-ca39adff971c.html)" ]. Susan

Dunlap. [ HYPERLINK "<mailto:susan.dunlap@mtstandard.com>" ]. Jan 15, 2019

Montana Tech is pumping hot water out of the two underground mine workings west of campus so it can continue to hold classes and museum tours ...

[ HYPERLINK "[https://mtstandard.com/opinion/columnists/guest-view-butte-cleanup-plans-are-inadequate/article\\_dc6c6013-f516-55a7-8385-4ccc565b4ff6.html](https://mtstandard.com/opinion/columnists/guest-view-butte-cleanup-plans-are-inadequate/article_dc6c6013-f516-55a7-8385-4ccc565b4ff6.html)" ] - Fritz

Daily. Jan 25, 2019

Chinese Proverb: "No matter how far you go down the wrong road, it is never too late to turn around!"

[ HYPERLINK "[https://mtstandard.com/news/local/thirsty-users-vic-for-butte-s-silver-lake-water/article\\_2a070dce-adbf-54fc-b7b2-6f85299dd8d2.html](https://mtstandard.com/news/local/thirsty-users-vic-for-butte-s-silver-lake-water/article_2a070dce-adbf-54fc-b7b2-6f85299dd8d2.html)" ]. Susan

Dunlap. [susan.dunlap@mtstandard.com](mailto:susan.dunlap@mtstandard.com)

Jan 27, 2019. There are few things more western than drinking whiskey or fighting over water.



[ [HYPERLINK "https://mtstandard.com/news/local/be-heard-butte-silver-bow-wants-input-on-growth-policy/article\\_1ce7c6cf-9780-5726-849b-9405c25894b1.html"](https://mtstandard.com/news/local/be-heard-butte-silver-bow-wants-input-on-growth-policy/article_1ce7c6cf-9780-5726-849b-9405c25894b1.html) ] -

Mike Smith. [ [HYPERLINK "mailto:Mike.smith@mtstandard.com"](mailto:Mike.smith@mtstandard.com) ]. Jan 29, 2019

County officials want your opinions on Butte-Silver Bow and how it should grow, and they're not dodging perceived negatives such as the Berkeley pit...

[ [HYPERLINK "https://mtstandard.com/news/local/shutdown-likely-to-further-delay-consent-decree-for-butte-superfund/article\\_05580a54-2c3c-5828-bf07-45ac797229f0.html"](https://mtstandard.com/news/local/shutdown-likely-to-further-delay-consent-decree-for-butte-superfund/article_05580a54-2c3c-5828-bf07-45ac797229f0.html) ] . Susan Dunlap [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ].

Jan 30, 2019

After three weeks of furlough due to a partial federal government shutdown, Butte's consent decree could face further delay and might not be r...

[ [HYPERLINK "https://mtstandard.com/news/local/montana-resources-says-butte-comes-first-in-getting-water/article\\_f60b47bc-cf98-526d-b740-062026e84333.html"](https://mtstandard.com/news/local/montana-resources-says-butte-comes-first-in-getting-water/article_f60b47bc-cf98-526d-b740-062026e84333.html) ] .

Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. Feb 4, 2019

Montana Resources wants Silver Lake water to help augment the stream in Silver Bow Creek.

[ [HYPERLINK "https://mtstandard.com/news/local/epa-adds-new-community-point-person/article\\_f519acb6-54e4-552f-9eb6-b2c0ffe0d8fa.html"](https://mtstandard.com/news/local/epa-adds-new-community-point-person/article_f519acb6-54e4-552f-9eb6-b2c0ffe0d8fa.html) ] . Susan Dunlap. [

[HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. Feb 7, 2019

As Jacqui Barker, the new community involvement coordinator for the Environmental Protection Agency's Montana office, says herself, "I know I ...

[ [HYPERLINK "https://mtstandard.com/news/local/baby-it-s-so-cold-outside-the-berkeley-pit-is/article\\_a29b35c7-791c-59b3-87a7-4a8ced1fc600.html"](https://mtstandard.com/news/local/baby-it-s-so-cold-outside-the-berkeley-pit-is/article_a29b35c7-791c-59b3-87a7-4a8ced1fc600.html) ] . Susan Dunlap [

[HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. Feb 7, 2019

With a low of minus 27 degrees in Butte Thursday, the Berkeley Pit froze, giving life to the old saw "when hell freezes over."

[ [HYPERLINK "https://mtstandard.com/news/local/metals-abatement-program-may-expand-to-cover-greeley-neighborhood/article\\_c8f2c39f-0cea-5de8-9f3b-cd4813d0d649.html"](https://mtstandard.com/news/local/metals-abatement-program-may-expand-to-cover-greeley-neighborhood/article_c8f2c39f-0cea-5de8-9f3b-cd4813d0d649.html) ] . Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ].

Feb 8, 2019

Editor's note: This story was corrected on at 12:34 p.m. on Feb. 11 to reflect the following correction. The proposal Ed Banderob presented to...

[ [HYPERLINK "https://mtstandard.com/opinion/columnists/guest-view-epa-committed-to-the-cleanup-butte-deserves/article\\_adbe1f7b-99a2-583e-9456-13d4e91bf283.html"](https://mtstandard.com/opinion/columnists/guest-view-epa-committed-to-the-cleanup-butte-deserves/article_adbe1f7b-99a2-583e-9456-13d4e91bf283.html) ]. Doug Benevento. Feb 10, 2019

Over the past year and half, I've had the honor of working to advance the cleanup of the Butte Superfund site as EPA's regional administrator....

[ [HYPERLINK "https://mtstandard.com/news/local/climate-change-could-devastate-superfund-cleanup/article\\_fc8c520e-5f2b-5186-a1d2-0608be8e9411.html"](https://mtstandard.com/news/local/climate-change-could-devastate-superfund-cleanup/article_fc8c520e-5f2b-5186-a1d2-0608be8e9411.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. Feb 10, 2019

Black clouds form a mountain in the sky, dump a magnitude of water, and leave Butte overwhelmed by unexpected flooding and contamination heading...

[ [HYPERLINK "https://mtstandard.com/news/local/with-deq-permit-in-hand-rick-tabish-one-step-closer/article\\_7f93a702-25e8-5b2d-9dbe-a65e3170951c.html"](https://mtstandard.com/news/local/with-deq-permit-in-hand-rick-tabish-one-step-closer/article_7f93a702-25e8-5b2d-9dbe-a65e3170951c.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. Feb 14, 2019.

Rick Tabish, front man for the long-proposed slag processing plant outside Anaconda, has overcome one hurdle on the road to building a facility...

[ [HYPERLINK "https://mtstandard.com/news/local/a-watershed-soaks-up-money-but-will-there-be-enough/article\\_daccabcf-4e36-5391-b550-a5d64ec2a231.html"](https://mtstandard.com/news/local/a-watershed-soaks-up-money-but-will-there-be-enough/article_daccabcf-4e36-5391-b550-a5d64ec2a231.html) ] Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. Feb 24, 2019.

The state has spent nearly \$142 million in restoration dollars on Butte-Silver Bow County, but some local leaders say that isn't enough.

[ [HYPERLINK "https://mtstandard.com/news/local/survey-finds-respondents-believe-cancer-high-in-butte/article\\_69ddcbaa-af90-50af-9282-4868cb4c40fe.html"](https://mtstandard.com/news/local/survey-finds-respondents-believe-cancer-high-in-butte/article_69ddcbaa-af90-50af-9282-4868cb4c40fe.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 1, 2019.

Residents believe cancer is higher in Butte than elsewhere, according to a local random survey taken in the Mining City.

[ [HYPERLINK "https://mtstandard.com/news/local/book-explores-berkeley-pit-s-history-legacy/article\\_1fbc502e-0843-5192-b5af-d70f4cb09cd2.html"](https://mtstandard.com/news/local/book-explores-berkeley-pit-s-history-legacy/article_1fbc502e-0843-5192-b5af-d70f4cb09cd2.html) ]. Ted McDermott. [ [HYPERLINK "mailto:ted.mcdermott@mtstandard.com"](mailto:ted.mcdermott@mtstandard.com) ]. March 2, 2019

Growing up in Bozeman in the 1980s, Brian James Leech knew little about the Mining City except its stigma. The City that ate itself.

[ [HYPERLINK "https://mtstandard.com/news/local/epa-regional-administrator-benevento-leaving-for-new-post/article\\_\\_bf959743-942c-509f-a559-28e92659774a.html"](https://mtstandard.com/news/local/epa-regional-administrator-benevento-leaving-for-new-post/article__bf959743-942c-509f-a559-28e92659774a.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 4, 2019.

Doug Benevento, Environmental Protection Agency Region 8 administrator, is leaving his job for a higher-ranking EPA post at EPA headquarters, ...

[ [HYPERLINK "https://mtstandard.com/news/local/epa-to-start-new-chapter-of-butte-superfund-in-spring/article\\_\\_8c324dc4-9b5e-556b-a4b1-f0b9125fdbfe.html"](https://mtstandard.com/news/local/epa-to-start-new-chapter-of-butte-superfund-in-spring/article__8c324dc4-9b5e-556b-a4b1-f0b9125fdbfe.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 9, 2019.

This spring, the Environmental Protection Agency will start knocking on doors to begin the next chapter of the Silver Bow Creek/Butte Area Superfund...

[ [HYPERLINK "https://mtstandard.com/opinion/editorial/standard-view-thank-you-mr-administrator/article\\_\\_db17e524-bb57-5440-81e0-afc05e52198c.html"](https://mtstandard.com/opinion/editorial/standard-view-thank-you-mr-administrator/article__db17e524-bb57-5440-81e0-afc05e52198c.html) ]. March 10, 2019.

Doug Benevento, EPA's Region 8 Administrator for the past year and a half, is moving up. He's taking a position as the new EPA Administrator's...

[ [HYPERLINK "https://mtstandard.com/opinion/columnists/guest-view-what-epa-s-health-study-must-accomplish/article\\_\\_6c2f0795-649f-5790-84b1-badc3c6d6c9c.html"](https://mtstandard.com/opinion/columnists/guest-view-what-epa-s-health-study-must-accomplish/article__6c2f0795-649f-5790-84b1-badc3c6d6c9c.html) ]. John Ray. March 11, 2019.

Butte's Superfund cleanup, which has been going on for a long time, is supposed to ameliorate the risks to human health posed by the toxics of concern...

[ [HYPERLINK "https://mtstandard.com/news/local/snapshots-st-patrick-s-banquet-set-silver-bow-creek-symposium/article\\_\\_428a1516-0d6c-57b4-bb4b-1434d7af38d3.html"](https://mtstandard.com/news/local/snapshots-st-patrick-s-banquet-set-silver-bow-creek-symposium/article__428a1516-0d6c-57b4-bb4b-1434d7af38d3.html) ]. March 11, 2019

[ [HYPERLINK "https://mtstandard.com/lifestyles/health-med-fit/the-public-s-health-local-study-focuses-on-community-perception/article\\_\\_5b778479-176c-5cad-9fa5-](https://mtstandard.com/lifestyles/health-med-fit/the-public-s-health-local-study-focuses-on-community-perception/article__5b778479-176c-5cad-9fa5-)

c3db15201c48.html" ]. Karen Sullivan B-SB Health Department for The Montana Standard.  
March 12, 2019.

A quick glance at the agenda for an upcoming meeting of Butte's Citizens Technical Environmental Committee conveys the environmental engagement...

[ [HYPERLINK "https://mtstandard.com/news/local/"](https://mtstandard.com/news/local/) ] [ [HYPERLINK "https://mtstandard.com/news/local/it-s-time-to-start-the-discussion-symposium-to-consider/article\\_62502c8a-f732-5ecf-8847-193ed85c6d56.html"](https://mtstandard.com/news/local/it-s-time-to-start-the-discussion-symposium-to-consider/article_62502c8a-f732-5ecf-8847-193ed85c6d56.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 12, 2019.  
What is limiting the resurgence of fish in Silver Bow Creek?

[ [HYPERLINK "https://mtstandard.com/news/local/berkeley-pit-pilot-project-delayed-till-summer/article\\_59ace38d-572a-5821-9d8e-84486fe0b5c8.html"](https://mtstandard.com/news/local/berkeley-pit-pilot-project-delayed-till-summer/article_59ace38d-572a-5821-9d8e-84486fe0b5c8.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 14, 2019  
The Berkeley Pit pilot project won't get off the ground until summer, mine officials say.

[ [HYPERLINK "https://mtstandard.com/news/local/first-phase-of-pumping-and-treating-pit-water-up-and/article\\_d5c28512-be9a-5a37-992f-dd940d34bb6e.html"](https://mtstandard.com/news/local/first-phase-of-pumping-and-treating-pit-water-up-and/article_d5c28512-be9a-5a37-992f-dd940d34bb6e.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 19, 2019  
Even while the Berkeley Pit pilot project waits to get underway, Montana Resources has begun the first step in the complex web of treating the...

[ [HYPERLINK "https://mtstandard.com/news/local/epa-s-benevento-visits-anaconda-thursday/article\\_00407453-681f-5559-ba51-d6b4b8d62962.html"](https://mtstandard.com/news/local/epa-s-benevento-visits-anaconda-thursday/article_00407453-681f-5559-ba51-d6b4b8d62962.html) ]. Susan Dunlap.  
[susan.dunlap@mtstandard.com](mailto:susan.dunlap@mtstandard.com).  
March 20, 2019.

Anaconda will get to hear more about what's in store for the Smelter City Thursday.

[ [HYPERLINK "https://mtstandard.com/news/local/anaconda-residents-get-major-update-to-superfund-plans/article\\_a563af5a-201f-50b7-b87d-88bcf14c4045.html"](https://mtstandard.com/news/local/anaconda-residents-get-major-update-to-superfund-plans/article_a563af5a-201f-50b7-b87d-88bcf14c4045.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 22, 2019.  
Anaconda residents got a long-awaited update on what's in store for their local Superfund site on Thursday night and learned that several clea...

[ [HYPERLINK "https://mtstandard.com/news/local/report-on-butte-s-blood-lead-rates-due-soon/article\\_00b55643-9621-5f9c-be31-66773a9af2c8.html"](https://mtstandard.com/news/local/report-on-butte-s-blood-lead-rates-due-soon/article_00b55643-9621-5f9c-be31-66773a9af2c8.html) ]. Susan Dunlap. susan.dunlap@mtstandard.com.

March 27, 2019.

A group of Superfund and health professionals called the Butte Superfund Health Study Biomonitoring Work Group plans to release a report on ch...

[ [HYPERLINK "https://mtstandard.com/news/local/epa-seeking-access-for-west-side-soils-investigation/article\\_1b4382b6-6892-54b9-9fe1-53b50becb2e84.html"](https://mtstandard.com/news/local/epa-seeking-access-for-west-side-soils-investigation/article_1b4382b6-6892-54b9-9fe1-53b50becb2e84.html) ]. Susan Dunlap. [ [HYPERLINK "mailto:susan.dunlap@mtstandard.com"](mailto:susan.dunlap@mtstandard.com) ]. March 28, 2019

The Environmental Protection Agency has already gotten started by seeking access for its work on West Side Soils, the next section of the Silver...



[ [HYPERLINK](#)

**"<http://www.butteamericaradio.org/superfund101/2019/1/16/superfund-101-with-dave-williams>" ]**

[ [HYPERLINK "http://www.butteamericaradio.org/superfund101/2019/1/16/superfund-101-with-dave-williams"](http://www.butteamericaradio.org/superfund101/2019/1/16/superfund-101-with-dave-williams) ]. CTEC Board member.

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**"<http://www.butteamericaradio.org/superfund101/2019/1/23/superfund-101-mark-thompson-and-the-butte-mine-flooding-operable-unit>" ]**

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When Atlantic Richfield shut the pumps off at the Kelley Mine in 1982, water began to fill the Berkeley pit and the 10,000 miles of tunnels underneath Butte. This toxic network of waterways became BMFOU - the Butte Mine Flooding Operable Unit. AR and Montana Resources are cosigners of the consent decree and therefore responsible for the maintenance of the sight. Mark Thompson, VP of Environmental Affairs for MR, goes over the scope of work and details at the operable unit in this episode of Superfund 101.

[ **HYPERLINK**

**"http://www.butteamericaradio.org/superfund101/2019/1/30/superfund-101-dr-robert-pal-and-montana-techs-restoration-ecology-program" ]**

[ **HYPERLINK "http://www.butteamericaradio.org/superfund101/2019/1/30/superfund-101-dr-robert-pal-and-montana-techs-restoration-ecology-program" ]**

[ **HYPERLINK**

**"http://www.butteamericaradio.org/superfund101/2019/2/13/superfund-101-julia-crain-and-pit-watch" ]**

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[ **HYPERLINK "http://www.butteamericaradio.org/superfund101/2019/3/13/ways-alyisia-cox-ventures-to-the-ocean-floor" ]**

[ **HYPERLINK "http://www.butteamericaradio.org/superfund101/2019/3/13/ways-alyisia-cox-ventures-to-the-ocean-floor" ]** – CTEC Board Member

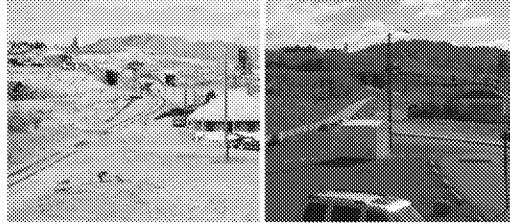
Dr. Alyisia Cox has a bachelors from Arizona State University in Geological sciences with Minors in Biology and German, she then went on to get her PhD in Chemical Oceanography at MIT and the Woods Hole Oceanographic Institution. She currently teaches environmental chemistry at Montana Tech and recently visited the sea floor off Mexico's Pacific Coast. In this episode of "What Are You Studying?" she shares the story of her journey and talks about the work to be done with data and samples brought back to Butte from a mile and a half below the surface of the Pacific Ocean.

[ **HYPERLINK**

**"http://www.butteamericaradio.org/superfund101/2019/3/27/superfund-101-bill-macgregor-and-the-health-perception-study" ]**

[ **HYPERLINK "http://www.butteamericaradio.org/superfund101/2019/3/27/superfund-101-bill-macgregor-and-the-health-perception-study" ]**. CTEC Board member.

The landscape has changed for the better, what about  
community health?



Share your story to  
help with the Butte superfund  
community Perceptions study

Call (800) 723-6247 or email [ButteCTDC@HOTMAIL.com](mailto:ButteCTDC@HOTMAIL.com) to schedule  
an interview

The study is sponsored by the Butte Superfund program, an National Superfund program  
administered by the EPA and the Butte County Health Department.